



SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of the substance/preparation CP514 Series

Use of the substance/preparation Inkjet printing

Issue date 16-Dec-2016

Version # 01

Synonym(s) HP Scitex FB221 Black Ink

Company identification HP Colombia SAS
Carrera 7 No 99-53 Torre B Pisos 7
Bogota, Colombia
Telephone (57) 1 639 0000

HP Inc. health effects line
(Toll-free within the US) 1-800-457-4209
(Direct) 1-760-710-0048
HP Inc. Customer Care Line
(Toll-free within the US) 1-800-474-6836
(Direct) 1-208-323-2551
Email: hpcustomer.inquiries@hp.com

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Physical hazards	Flammable liquids	Category 4
Health hazards	Acute toxicity, oral	Category 4
	Carcinogenicity	Category 2
	Reproductive toxicity	Category 2
	Specific target organ toxicity, repeated exposure	Category 1
	Environmental hazards	Hazardous to the aquatic environment, long-term hazard

GHS label elements

Signal word Danger



Hazard statement Combustible liquid. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May damage fertility. May damage the unborn child. May cause respiratory irritation. May cause damage to organs (liver, nose) through prolonged or repeated exposure. Harmful to aquatic life with long lasting effects.

Precautionary statement

Prevention

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe fume/gas/mist/vapors/spray.
P271 - Use only outdoors or in a well-ventilated area.
P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.

Response	<p>P370 + P380 - In case of fire: Evacuate area. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention. P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention. P308 + P313 - IF exposed or concerned: Get medical attention/advice. P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 - Call a POISON CENTER/doctor/physician if you feel unwell. P362 - Take off contaminated clothing and wash before reuse.</p>
Storage	<p>P405 - Store locked up. P403 + P233 - Store in a well-ventilated place. Keep container tightly closed. P403 + P235 - Store in a well-ventilated place. Keep cool.</p>
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Acrylate ester	Proprietary	<25
Neopentylglycol propoxylate diacrylate	Proprietary	<25
Acrylate Ester	Proprietary	<20
Vinylcaprolactam	Proprietary	<20
Propiophenone derivative	Proprietary	<5
Diphenyl (2,4,6-trimethylbenzoyl) phosphine	Proprietary	<2.5
Acrylated Oligoamine Resin	Proprietary	<2.5
Black pigment	Proprietary	<2.5
Photo Initiator	Proprietary	<2.5
Fragrance	Proprietary	<1

Composition comments Carbon black is present only in a bound form in this preparation.

4. FIRST AID MEASURES

Inhalation	Move to fresh air. If symptoms persist, get medical attention.
Skin contact	Wash affected areas thoroughly with mild soap and water. If irritation persists get medical attention.
Eye contact	Do not rub eyes. Immediately flush with large amounts of clean, warm water (low pressure) for at least 15 minutes or until particles are removed. If irritation persists get medical attention.
Ingestion	If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to an unconscious person.

5. FIRE-FIGHTING MEASURES

Flash point	> 149.0 °F (> 65.0 °C) Closed Cup
Suitable extinguishing media	Dry powder. Carbon dioxide (CO2). Water may be ineffective.
Extinguishing media which must not be used for safety reasons	Water.
Unusual fire & explosion hazards	None known.
Special protective equipment for fire-fighters	Avoid runoff into storm sewers and ditches which lead to waterways.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear appropriate personal protective equipment. Do not touch or walk through spilled material.
Environmental precautions	Do not let product enter drains. Do not flush into surface water or sanitary sewer system. See also section 13 Disposal considerations.
Methods for cleaning up	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing.
Storage	Keep away from excessive heat or cold. Do not store in direct sunlight. Do not handle or store near an open flame, heat or other sources of ignition.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational exposure limits

Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace

Components	Type	Value	Form
Black pigment (CAS Proprietary)	TWA	3 mg/m ³	Inhalable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
Black pigment (CAS Proprietary)	TWA	3 mg/m ³	Inhalable fraction.

Biological limit values No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Additional exposure data Exposure limits have not been established for this product.

Personal protective equipment

Respiratory protection Provide adequate ventilation. In case of insufficient ventilation wear suitable respiratory equipment.

Hand protection Wear appropriate chemical resistant gloves.

Eye protection Wear safety glasses; chemical goggles (if splashing is possible). Eye wash fountain and emergency showers are recommended.

Skin and body protection Wear appropriate chemical resistant clothing.

Hygiene measures Handle in accordance with good industrial hygiene and safety practice. Do not get this material in your eyes, on your skin, or on your clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. Launder contaminated clothing before reuse. Keep away from food and drink.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Physical state Liquid.

Color Black.

Odor Characteristic.

pH Not available.

Melting point/Freezing point Not available.

Boiling point, initial boiling point, and boiling range Not available.

Flash point > 149.0 °F (> 65.0 °C) Closed Cup

Auto-ignition temperature Not available.

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Vapor pressure Not available.

Specific gravity Not available.

Solubility(ies)

Solubility (water) Not available.

Partition coefficient (n-octanol/water) Not available.

Decomposition temperature Not available.

Other data

VOC (Weight %) < 95 g/L

10. STABILITY AND REACTIVITY

Conditions to avoid Exposure to sunlight.

Hazardous decomposition products	Upon decomposition, this product may yield gaseous nitrogen oxides, carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.
Stability	Stable under normal storage conditions.
Materials to avoid	Incompatible with strong bases and oxidizing agents. alkaline metals
Hazardous polymerization	Hazardous polymerization can occur with decreased inhibitor content.

11. TOXICOLOGICAL INFORMATION

Skin corrosion/irritation	Not available.
Serious eye damage/eye irritation	Not available.
Respiratory or skin sensitization	
Skin sensitization	Not available.
Respiratory sensitization	Not available.
Carcinogenicity	Carbon black is classified as a carcinogen by the IARC (possibly carcinogenic to humans, Group 2B) and by the State of California under Proposition 65. In their evaluations of carbon black, both organizations indicate that exposure to carbon black, per se, does not occur when it remains bound within a product matrix, specifically, rubber, ink, or paint.
Colombia. OELs. Resolution No. 02400: Norms Concerning Working Conditions, Health and Safety in the Workplace	
Black pigment (CAS Proprietary)	A3 Animal carcinogen.
IARC Monographs. Overall Evaluation of Carcinogenicity	
Black pigment (CAS Proprietary)	2B Possibly carcinogenic to humans.
Germ cell mutagenicity	Not available.
Toxic to reproduction	Not available.
Aspiration hazard	Not available.
Other information	Complete toxicity data are not available for this specific formulation

Toxicological data

Components	Species	Test Results
Black pigment (CAS Proprietary)		
Acute		
<i>Oral</i>		
LD50	Rat	> 8000 mg/kg
Toxicological information	Not available.	

12. ECOLOGICAL INFORMATION

Environmental effects	Not available.
Persistence / degradability	Not available.
Bioaccumulation	Not available.
Aquatic toxicity	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Mobility	Not available.

13. DISPOSAL CONSIDERATIONS

Disposal instructions	Do not dispose of together with general office waste. Do not allow this material to drain into sewers/water supplies. Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations. Ensure collection and disposal with an appropriately licensed waste contractor.
------------------------------	--

14. TRANSPORT INFORMATION

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

ADR

Not regulated as dangerous goods.

15. REGULATORY INFORMATION

Federal regulations

International regulations

All chemical substances in this HP product have been notified or are exempt from notification under chemical substances notification laws in the following countries: US (TSCA), EU (EINECS/ELINCS), Switzerland, Canada (DSL/NDL), Australia, Japan, Philippines, South Korea, New Zealand, and China.

Kyoto protocol

Not applicable.

Montreal Protocol

Not applicable.

Rotterdam Convention

Not applicable.

Stockholm Convention

Not applicable.

16. OTHER INFORMATION

Disclaimer

This Safety Data Sheet document is provided without charge to customers of HP. Data is the most current known to HP at the time of preparation of this document and is believed to be accurate. It should not be construed as guaranteeing specific properties of the products as described or suitability for a particular application. This document was prepared to the requirements of the jurisdiction specified in Section 1 above and may not meet regulatory requirements in other countries.

Prepared by

HP Chemical Compliance & Toxicology Department

Issue date

16-Dec-2016

Version

01

This data sheet contains changes from the previous version in section(s):

Product and Company Identification: Synonyms
Composition / Information on Ingredients: Ingredients
Physical & Chemical Properties: Multiple Properties
Regulatory Information: United States
GHS: Qualifiers

Manufacturer information

HP Inc.
1501 Page Mill Road
Palo Alto, CA 94304-1112 US
(Direct) +972 (9) 892-4628

Explanation of abbreviations

ACGIH	American Conference of Governmental Industrial Hygienists
CAS	Chemical Abstracts Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CFR	Code of Federal Regulations
COC	Cleveland Open Cup
DOT	Department of Transportation
EPCRA	Emergency Planning and Community Right-to-Know Act (aka SARA)
IARC	International Agency for Research on Cancer
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation and Recovery Act
REC	Recommended
REL	Recommended Exposure Limit
SARA	Superfund Amendments and Reauthorization Act of 1986
STEL	Short-Term Exposure Limit
TCLP	Toxicity Characteristics Leaching Procedure
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
VOC	Volatile Organic Compounds